

BRIGHT RESOURCE TECHNOLOGY SDN. BHD.

(Co. No.: 517165-A)

No. 11-2, Jalan Meranti SD 13/4,

Bandar Sri Damansara,

52200 Kuala Lumpur, Malaysia

Tel.: 603-6272 1678 Fax: 603-6272 9528

SAFETY DATA SHEET

CHLORPYRIPHOS 21.2% EC

CAS Number: 2921-88-2

Trade Name: TERMIGUARD

Chemical Name: O,O Diethyl-O-(3,5,6 trichloro-2-Pyridyl) Phosphorothioate

1. SUBSTANCES /PREPARATION AND COMPANY IDENTIFICATION.

Chemical Nature : Manufacturer of Agrochemicals/Alkyl Phenols/Fine chemicals.

Distributor : **Bright Resource Technology Sdn Bhd**
No. 11-2 Jalan Meranti SD 13/4, Bandar Sri Damansara
52200 Kuala Lumpur, Malaysia.

Tel: 603-6272 1678, Fax: 603-6272 9528

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Name of the Impurity	Concentration
CHLORPYRIPHOS A.I.	: 21.20%
Inert Ingredient	: <u>78.80%</u>
	<u>100.00%</u>

3 OCCUPATIONAL EXPOSURE LIMIT (OEL VALUE):

Long Term Exposure : 8-hour TWA: 0.2 ng m⁻³

Short Term Exposure : 15- minute: 0.6 mgm⁻³

4. HAZARD IDENTIFICATION

Eyes and Skin :

In case of contact the symptoms are irritation of eyes and skin, with or without systemic effects.

Inhalation and Ingestion:

In case of inhalation or ingestion, the symptoms are excessive sweating, salivation, weakness, headache, giddiness, nausea, stomach pains, blurred vision, twitching, cyanosis, coma, respiratory arrest.

5. FIRST AID MEASURES

Skin contact	: Wash off with plenty of water
Eye contact	: Rinse immediately with water for at least 5 minutes. Get medical attention
Inhalation	: Expose immediately to fresh air and get medical attention
Ingestion	: Get medical attention immediately. Drink plenty of water. In case of vomiting, beware of suffocation. Do not induce vomiting, unless you are First Aid Staff. Give nothing by mouth in case of unconsciousness or convulsions.
Diagnostic Test	: Blood cholinesterase activity
Treatment	: Atropine, 2PAM, P ₂ S (Contrathion) or toxogonim. Morphine or other opiates are contra indicated.

6. FIRE-FIGHTING MEASURES

Flash Point: > 24.5 °C	
Suitable Extinguishing Media	: Extinguish fire with powder chemicals CO ₂ or alcohol resistant foam. Do not use water.
Unsuitable Extinguishing Media	: N. A.
Exposure Hazards	: Thermal decomposition products may include toxic oxides of carbon, Sulphur and Phosphorous.

7. ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Avoid contact with skin, eyes and clothing.
Environmental Precautions	: Prevent contamination of soil, drains and surface of water.
Methods for Cleaning	:
	Do not touch spilled material. Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into containers for later disposal. Move containers from spill area. For larger spills, dike far ahead of spill for later disposal. Keep unnecessary people away. Isolate hazard area and deny entry. Ventilate closed space.

8. HANDLING AND STORAGE

Handling

Keep product in original tightly closed container. Avoid exposure by inhalation. Do not eat, drink or smoke when handling. Wash hands before eating, drinking or smoking.

Storage

Keep in a cool dry place in original packing. Store under lock and key. Keep out of reach of children. Do not store near foodstuff, poultry and domestic animals. Do not load with foodstuff while transportation. Check that containers are sound and labels undamaged before dispatch.

9. EXPOSURE CONTROL /PERSONAL PROTECTION

Technical protective measures	: None.
Exposure control limits	: Avoid breathing toxic vapour.
Respiratory protection	: Wear an air respirator or self-contained breathing apparatus.
Hand protection	: Rubber impermeable gloves
Eye protection	: Wear suitable goggles or face protection.
Skin protection	: Wear overalls and closed footwear.

10. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Colour	: Yellowish brown
Odour	: Mild mercaptan
Acidity (As H ₂ SO ₄)	: 0.25% max
Solubility	: Emulsifiable concentrate miscible with water
Stability	: Stable at room temperature for 2 years
Compatibility	: Compatible with non-alkaline pesticides

11. STABILITY AND REACTIVITY

Thermal stability	: Decompose
Conditions to Avoid	: None reported
Materials to avoid	: Alkaline metals and oxidizing agents.
Hazardous Decomposition	: Thermal decomposition products may include toxic products oxides of Carbon, Sulphur and Phosphorous

12. TOXICOLOGICAL INFORMATION (a.i)

Acute LD ₅₀ Oral Rat	: 155.83 mg/kg b.w.
Acute LD ₅₀ Dermal Rat	: 2162.61 mg/kg b.w.
Acute LC ₅₀ Inhalation (Rat)	: > 9.79 mg/ L. air
Eye Irritation Rabbits	: Slight
Skin irritation, Rabbit	: Slight

13. ECOLOGICAL INFORMATION (a.i)

Birds LD ₅₀	: < 50 mg/kg
Quail LD ₅₀ Oral	: 16 mg/kg
Duck LD ₅₀ Oral	: 8 mg/kg
Daphnia spp. LC ₅₀	: 0.176 ppb
Goldfish LC ₅₀ (24H)	: 0.18 mg/L
Rainbow Trout LC ₅₀ (96H)	: 0.003 mg/L
Bees	: Toxic to bees

14. DISPOSAL PROCEDURES

Disaster Management

Absorb spilled material and cover contaminated area with 1:3 mixture of Sodium Carbonate crystals and damp saw dust, sand or earth. Sweep up the place in sealable container for disposal. Extinguish fire with Powder Chemical CO₂ or alcohol resistant foam.

Disposal

Burn in proper incinerator or bury in an approved dump or in an area where there is no risk of contamination of ground or surface water. Comply all Central, State & Local Regulations.

15. TRANSPORT INFORMATION

UN Number	: 3017
Class	: 6.1
IATA Packing Instruction	: III
Proper Shipping Name	: Organophosphorus pesticide liquid, toxic, flammable
Environmental risk	: Marine Pollutant

16 REGULATORY INFORMATION

The information contained in this safety data sheet is given in good faith. It is accurate to our best of knowledge and belief and represents the most up to date information. The information given in this date sheet does not constitute or replace the users own assessment of work place risk as required by other health and safety legislation.

Revised Date: January 2018